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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty. Docket: SPIRA=1A

In re Application of:)	Conf. No.: 4939
)	
Micha SPIRA et al)	Art Unit: Not Yet Assigned
)	
Appln. No.: 10/560,315)	Examiner: Not Yet Assigned
)	
Filing Date: June 10, 2004)	Washington, D.C.
)	
For: ELECTRONIC DEVICE FOR)	September 28, 2006
COMMUNICATING WITH...)	
)	

COMMUNICATION TO CORRECT PTO/SB/08A (1449) FORM

Honorable Commissioner for Patents
U.S. Patent and Trademark Office
Randolph Building, Mail Stop Amendments
401 Dulany Street
Alexandria, VA 22314

Sir:

The PTO/SB/08A (1449) Form previously submitted on September 12, 2006, contained a typographical error in the document number for references AA and AC. The previously submitted PTO/SB/08A (1449) Form incorrectly indicated the document number of reference **AA** as being EP 2000097899, instead of the correct document number **JP 2000097899**, and reference **AC** as being EP 2001156398, instead of the correct document number **JP 2001156398**. Attached hereto is a clean copy of the PTO/SB/08A (1449) Form previously submitted but reflecting the correction to references AA and AC.

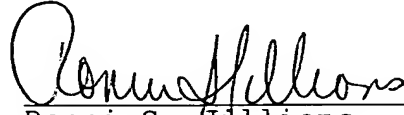
It is respectfully requested that the attached clean copy of PTO/SB/08A (1449) Form replace the PTO/SB/08A (1449) Form originally submitted with the above-identified application on September 12, 2006, and be entered into the file to correct the record.

In re Appln. No. 10/560,315

Respectfully submitted,

BROWDY AND NEIMARK
Attorneys for Applicant(s)

By:



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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1

of 6

Complete if Known

Application Number	10/560,315
Filing Date	PCT Filing Date: June 10, 2004
First Named Inventor	Micha SPIRA et al
Group Art Unit	Not Yet Assigned
Confirmation No.	4939
Attorney Docket Number	SPIRA=1A

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	AA	JP 2000097899	04-07-2000	NTT Advanced Technology Corp.	Abstract	
	AB	WO 00/51191	08-31-2000	Yissum Research Development Company		
	AC	JP 2001156398	06-08-2001	Canon Inc.	Abstract	
	AD	WO 01/25769 A2	04-12-2001	Sophion Bioscience A/S		
	AE	WO 03/104789 A1	12-18-2003	Rutgers, the State University of New Jersey, University of Medicine & Dentistry of New Jersey		
	AF	WO 2004/044573 A1	05-27-2004	Yissum Research Develop.		

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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



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Sheet 2

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NON PATENT LITERATURE DOCUMENTS / OTHER INFORMATION

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	AG	Stett, A., Muller, B., Fromherz, P., "Two-way silicon- neuron interface by electrical induction", <i>Phys. Rev. B.</i> , 55: 1779-1781 (1997)	
	AH	Fromherz, P., "Electrical Interfacing of Nerve Cells and Semiconductor Chips", <i>Chemphyschem.</i> 3:276-84; 2002	
	AI	Weis R., and P. Fromherz. "Frequency dependent signal-transfer in neuron-transistors", <i>Physical Review E.</i> 55:877-889; January 1997	
	AJ	Weis R., B. Muller, and P. Fromherz, "Neuron Adhesion on a Silicon Chip Probed by an Array of Field-Effect Transistors", <i>Physical Review Letters.</i> 76:327-330; 8 January 1996	
	AK	Kandel, E.R. 2001, "The Molecular Biology of Memory Storage: A Dialog Between Genes and Synapses", <i>Bioscience Report</i> vol. 21, No. 5 pp. 565-611; October 2001	
	AL	Kandel, E.R. 2001, "The Molecular Biology of Memory Storage: A Dialogue Between Genes and Synapses", <i>Science.</i> 294:1030-8; 2 November 2001	
	AM	Zeck G., and P. Fromherz., "Noninvasive neuroelectronic interfacing with synaptically connected snail neurons immobilized on a semiconductor chip", <i>Proc Natl Acad Sci U S A.</i> 98:10457-62, August 28, 2001;	
	AN	Aderem, A., and D.M. Underhill. 1999, "Mechanisms of phagocytosis in macrophages", <i>Annu Rev Immunol.</i> 17:593-623	
	AO	May, R.C., and L.M. Machesky, 2001, "Phagocytosis and the actin cytoskeleton", <i>J Cell Sci.</i> 114:1061-77	
	AP	Indik Z. et al., 1991, "Human Fc, RII, in the absence of other Fc, receptors, mediates a phagocytic signal", <i>J Clin Invest.</i> 88:1766-71	
	AQ	Blystone S.D. et al., November 1994, "Integrin alpha v beta 3 Differentially Regulates Adhesive and Phagocytic Functions of the Fibronectin Receptor alpha 5 beta 1", <i>J Cell Biol.</i> 127:1129-37	
	AR	Stahl P.D., and R.A. Ezekowitz, 1998, "The mannose receptor is a pattern recognition receptor involved in host defense", <i>Current Opinion in Immunology</i> 10:50-5	

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Sheet 3

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	AS	Dahlgren K et al., "Immobilization of Enzymes Based on Hydrophobic Interaction. I. Preparation and Properties of a β -Amylase Adsorbate; Biotechnology and Bioengineering, Vol. XVIII, pp. 1573-1588 (1976)	
	AT	Critchley D.R., 2000, "Focal adhesions - the cytoskeletal connection", Current Opinion in Cell Biol. 12:133-9	
	AU	Heiple J.M. et al., 1990, "Macrophages Form Circular Zones of Very Close Apposition to IgG-Coated Surfaces", Cell Motility Cytoskeleton. 15:260-70	
	AV	Willner, I.; Katz, E. Angew. "Enzyme electrodes allow the production of more types of products" Chem., Int. Ed. 2000, 39, 1180-1218	
	AW	Yang, M. et al., Anal. "Acoustic Network Analysis as a Novel Technique for studying protein adsorption and Denaturation at Surfaces" Chem. 1993, 65, 3713-3716	
	AX	Caruso F. et al., J. "Characterization of Ferritin Adsorption onto Gold" Colloid Interface Science 1997, 186, 129-140	
	AY	Razumas V., Arnebrant T., J. "Direct electrochemistry of microperoxide - 11 at gold electrodes modified by self-assembled monolayers of 4,4'-dithiodipyridine and 1-octadecanethiol" Electroanalytical Chemistry. 1997, 427, 1-5	
	AZ	Moulin A. M. et al., "Measuring Surface-Induced Conformational Changes in Protein" Langmuir 1999, 15, 8776-8779	
	BA	Armstrong F. A. et al., "Reaction of electron-transfer proteins at electrodes" Q. Rev. Biophys. 1986, 18, 261-322	
	BB	Ulman A., "Formation and Structure of Self-Assembled Monolayers" Chem. Rev. 1996, 96, 1533-1554	
	BC	Prime K. L., Whitesides G. M., J. Am. "Adsorption of Protein onto Surfaces Containing End-Attached Oligo (ethylene oxide): A Model System Using Self-Assembled Monolayers" Chem. Soc. 1993, 115, 10714-10721	
	BD	Lahiri J. et al., "A Strategy for the Generation of Surfaces Presenting Ligands for Studies of Binding based on an Active Ester as a Common Reactive Intermediate: A Surface Plasmon Resonance Study" Anal. Chem. 1999, 71, 777-790	

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	BE	Spinke J. et al., "Molecular Recognition at Self-Assembled Monolayers: Optimization of surface functionalization" J. Chem Phys. 1 November 1993, 99, 7012-7019	
	BF	Spinke J. et al., "Molecular Recognition at Self-Assembled Monolayers: The Construction of Multicomponent Multilayers" Langmuir 1993, 9, 1821-1825	
	BG	Jain A., Huang S. G., Whitesides, "Lack of Effect of the Length of Oligoglycine and Oligo (ethylene glycol)-Drives para-Substituents on the Affinity of Benzenesulfonamides for Carbonic Anhydrase II in Solution" G. M. J. Am. Chem. Soc. 1994, 116, 5057-5062;	
	BH	Mrksich M., Grunwell J. R., Whitesides "Biospecific Adsorption of carbonic Anhydrase to Self-Assembled Monolayers of Alkanethiolates That Present Benzenesulfonamide Group on Gold" G. M., J. Am. Chem. Soc. 1995, 117, 12009-12010	
	BI	Frey B. L. et al., "Control of the specific adsorption of Protein onto Gold Surfaces with poly(L-Iysine) Monolayers" Anal. Chem. 1995, 67, 4452-4457	
	BJ	Schlereth D. D., "Preparation of gold surface with biospecific affinity for NAD(H)-dependent lactate dehydrogenase" Sens. Actuators, B 1997, 43, 78-86	
	BK	Schlereth D. D., Kooyman R. P. H., "Self-assembled monolayers with biospecific affinity for NAD(H)-dependent dehydrogenases: characterization by surface plasmon resonance combined with electrochemistry 'in situ' J. Electroanal. Chem. 1998, 444, 231-240	
	BL	Perez-Luna V. H. et al, "Molecular Recognition between Genetically Engineered Streptavidin and Surface-Bound Biotin" J. Am. Chem. Soc. 1999, 121, 6469-6478	
	BM	Porath J. et al., "Metal Chelate affinity chromatography, a new approach to protein fractionation" Nature 1975, 258, 598-599	
	BN	Mosbach G. R. et al., "Protein of Cellulose-Bound Enzymes" Methods Enzymol. 1976, 44, 53-65	
	BO	Mattiasson B., "Affinity Immobilization" Methods Enzymol. 1988, 137, 647-656	
	BP	Bastida A. et al, "A Single Step Purification, Immobilization, and Hyperactivation of Lipases via Interfacial Adsorption on Strongly Hydrophobic Support" Biotechnol. Bioeng. 1998, 58, 486-493	

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Sheet 5

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	BQ	Turkova J, "Oriented immobilization of biologically active protein as a tool for revealing protein interactions an function" <i>J. Chromatogr., B</i> 1999, 722, 11-31	
	BR	Willner I. et al, "Electrical Wiring of Glucose Oxidase by Reconstitution of FAD-Modified Monolayers Assembled onto Au-Electrodes" <i>J. Am. Chem. Soc.</i> 1996, 118, 10321-10322	
	BS	Schmidt H.-L., Schuhmann W., "Reagentless oxidoreductase sensors" <i>Biosens. Bioelectron.</i> 1996, 11, 127-135	
	BT	Katz E. et al., "Reconstitution of the quinoprotein glucose dehydrogenase from its apoenzyme on a gold electrode surface modified with monolayer of pyrroloquinoline quinine" <i>J. Electroanal. Chem.</i> 1994, 368, 165-171	
	BU	Guo L.-H. et al, "Photo-active and electro-active protein films prepared by recostitution with metalloporphyrins self-assembled on gold" <i>J. Mater. Chem.</i> 1996, 6, 369-374	
	BV	Katz E. et al, "Electrical contact of redox enzymes with electrodes: novel approaches for amperometric biosensors" <i>Bioelectrochem. Bioenerg.</i> 1997, 42, 95-104	
	BW	Willner I. et al, "Assembly of functionalized monolayers of redox protein on electrode surfaces: novel bioelectronic and optobioelectronic system" <i>Biosens. Bioelectron.</i> 1997, 12, 337-356	
	BX	Gorton L. et al, "Direct electron transfer between heme-containing enzymes and electrodes as basis for third generation biosensors" <i>Anal. Chim. Acta</i> 1999, 400, 91-108	
	BY	Hodneland, C. D.; Lee, Y.-S.; Min, D.-H.; Mrksich, M. <i>Proc.</i> "Selective immobilization of protein to self-assembled monolayers presenting active site-directed capture ligands" <i>Natl. Acad. Sci. U.S.A.</i> 2002, 99, 5048-5052	
	BZ	Gilardi, G.; Fantuzzi, A.; Sadeghi, S. J. "Engineering and design in bioelectrochemistry of metalloproteins" <i>Curr. Opin. Stuct. Biol.</i> 2001, 11, 491-499	
	CA	Pierrat, O.; Lechat, N.; Bourdillon, C.; Laval, J. M. "Electrochemical and Surface Plasmon Resonance Characterization of the Step-by-Step Self-Assembly of a Biomimetic Structure onto an Electrode Surface" <i>Langmuir</i> 1997, 13, 4112-4118	
	CB	Darder, M.; Casero, E.; Pariente, F.; Lorenzo, E. "Biosensors Based on Membrane-Bound Enzymes Immobilized in a 5-(Octyldithio)-2-nitrobenzoic Acid Layer on Gold Electrodes" <i>Anal. Chem.</i> 2000, 72, 3784-3792	

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	CC	W. C. Wildering, P. M. Hermann, A. G. M. Bulloch "Neurite Outgrowth, RGD-Dependent, and RCG-Independent Adhesion of Identified Molluscan Motoneurons on Selected Substrates" J Neurobiol 35: 37-52, 1998	
	CD	Sfez R. et al., "Polyaniline Monolayer Self-Assembled on Hydroxyl-Terminated Surfaces" Langmuir 2001, 17(9), 2556-2559	
	CE	Turyan, I.; Mandler, D., "Two-Dimensional Polyaniline Thin Film Electrodeposited on a Self-Assembled Monolayer" J. Am. Chem. Soc. 1998, 120, 10773-10742	
	CF	MA X L et al: "Microstructural characterization of Si cones fabricated by Ar<+>-sputtering Si/Mo targets" Journal of crystal Growth, North Holland Publishing, Amsterdam, NL Vol. 234, no. 4, February 2002, pages 654-659	
	CG	Fromherz P: "Semiconductor chips with ion channels, nerve cells and brain", Physica e Elsevier Netherlands, Vol. 16 no. 1, January 2003, Pages 24-34	

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